

# Jagroop Singh

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## OBJECTIVE

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Seeking an opportunity in areas of software development in growth oriented organization that utilizes my present skills and helps me develop new ones

## EDUCATION

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**Undergraduate Diploma** in Computer Science (GPA 8.4/10) 2020 - 2022  
University of Regina, SK

## PROJECTS

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**Library Manager using Python:** A python app to manage Books, Users and transactions in a sqlite database with a user interface built with tkinter.

**Grocery management web application:** A grocery inventory record keeping system using web(HTML, Javascript, PHP) dynamically updated with AJAX and a mySQL database. [live github](#)

**Fruityfy REST APIs:** Developed REST APIs using python's Fast API framework, load JSON data and deployed on Uvicorn.

**Bank Account Manager:** Developed an advanced record keeping system in C++.

**Personal portfolio:** Space themed interactive website using vue.js, node.js and three.js | [live github](#)

**Tic tac toe game:** Game with ASCII based GUI which could run in three modes - player vs player, computer vs computer and player vs computer using object oriented programming.

**Cat Facts:** A fun website to get random cat facts using requests, JSON and REST API

## Github Repositories

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- *Python-server:* Demonstrating the use of sockets to connect a client and a server in python. [github](#)
- *Mapit:* Script in python to automate searching of anything on google maps. [github](#)
- *Usb speed tester:* Python script to test the speed of usb devices and peripherals. [github](#)

## EXPERIENCE

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**University of Regina, Hill and Levene Schools of Business** Regina, SK  
**Training & Online Course Assistant** Aug. 2021 - Aug. 2022

- Provide Learning management system (LMS) support and technical solutions to the instructors for URcourses, live proctoring system and testing various types of software used by the university
- Work one-on-one with professors to introduce them to a broad range of computer applications, hardware and instructional tools related to curriculum delivery and research or solve problems encountered
- Deployed LMS in computer labs and performed functional testing for the upgraded softwares
- Guide course instructors in the effective use of audio, video, graphic, multimedia and online resources within courses to improve learning and engage diverse learning needs

**Student Election Officer**

Sept. 2021 - May 2022

- Responsible for solving serious violations of URSU elections, investigating and documentation of any complaints or appeals brought forward to the Elections Committee
- Confer with all parties involved to clarify issues, identify concerns, provide feedback & develop an understanding of all sides
- Carefully analyzing the situation and collaborating with the team of the Elections Committee for a fair decision.

**SKILLS**

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**Development Experience**

- **Programming Languages** : C/C++, Java, Python, PHP, SQL, Javascript, HTML, CSS, Prolog
- **Frameworks**: Node.js, React.js, Vue.js, Fast APIs
- **Operating Systems** : Linux, Windows 10, MacIntosh OS, Hercules(Unix server),
- **Others** : Terminal, bash, REST API, Firebase, http, sockets, networking, git, github, vs code
- **Novice**: Docker, gRPC, RUST

**Soft Skills**

- Excellent written & oral communication skills and active listening skills
- Ability to analyze and solve problems under a strict time frame using the resources available
- Ability to maintain confidentiality and impartiality within the workplace.
- Possesses excellent organizational, time management and customer service skills
- Ability to work calmly under pressure

**ACTIVITIES AND AREAS OF INTEREST**

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**Activities**

- Chess, Learning languages, Football, Biking, Gaming.

**Areas of Interest**

- Competitive Programming, Rust, Go
- I want to pursue Undergraduate Degree in Computer Science in Future